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Nuclear **localization** signals (NLS).T Boulikas - Critical reviews in eukaryotic gene expression, 1993 - [ncbi.nlm.nih.gov](#)

... These peptides have been termed nuclear **localization** signals (NLS ... by protein phosphorylation, dephosphorylation, dissociation of an inhibitory subunit that masks the NLS, processing of ... the nuclear import of a protein transcription factor at a certain stage of **development**, or cell ...

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... activity is regulated by cell **cycle**-dependent changes in subcellular **localization**[nih.gov](#) [PDF]R Verona, K Moberg, S Estes, M Starz, JP ... - ... and Cellular Biology, 1997 - [Am Soc Microbiol](#)

... with standard procedures, and a small proportion of each fraction was subjected to FACS analysis to determine cell **cycle** staging. ... then ligated together to yield an E2F-2 cDNA containing a novel HindIII site within the altered nuclear **localization** signal (NLS) sequences. ...

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Involvement of wild-type p53 protein in the cell **cycle** requires nuclear **localization**

G Shaulsky, N Goldfinger, A Peled, V Rotter - Cell Growth and ..., 1991 - AACR

... interrelationships between nuclear **localization** of p53 and the cell **cycle**. By using the L12-derived cell lines, we found that NLS-deprived cytoplasmic wild-type p53 did not alter the cell **cycle** pattern, nor did it affect the **development** of tumors in mice. ...

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... , a Drosophila protein with cell **cycle**-dependent nuclear **localization**, is required for ...[rupress.org](#) [PDF]P Kussel, M Frasch - Journal of Cell Biology, 1995 - [jcb.rupress.org](#)

... complete se- quences are available, we identified consensus sequences for bipartite nuclear **localization** signals (NLS's ... With the exception of yeast SRP1, the NLS's of all of these proteins are ... Pendulin Is Expressed in Two Phases of **Development** In Northern analysis of poly(A ...

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The cell **cycle**-dependent **localization** of the CP190 centrosomal protein is ...[rupress.org](#) [PDF]K Oegema, WG Whitfield, B Alberts - Journal of Cell Biology, 1995 - [jcb.rupress.org](#)

... At early stages of Drosophila **development**, the embryo is a syncytium, so injected protein can diffuse via the com- mon cytoplasm ... Closer examination of the amino acid sequence in this region

identified a potential bipartite nuclear **localization** signal (**NLS**) between amino ...

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... depends on a conserved chromatin associated protein, whose nuclear **localisation** ...

[biologists.org \(PDF\)](#)

H White-Cooper, D Leroy, A MacQueen, MT ... - *Development*, 2000 - [dev.biologists.org](#)

... aly is required for transcription of key G2-M cell **cycle** control genes and of spermatid ... of the *Caenorhabditis elegans* gene lin-9, a negative regulator of vulval **development** that acts ...

cytoplasmic in a loss-of-function missense allele, suggesting that nuclear **localisation** is critical ...

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[HTML] Patched1 interacts with cyclin B1 to regulate cell **cycle** progression

[nih.gov \(HTML\)](#)

EA Barnes, M Kong, V Ollendorff, DJ ... - *The EMBO ...*, 2001 - [pubmedcentral.nih.gov](#)

... In addition, fractionation studies show that **NLS**-B1 Glu is expressed primarily in the ... membrane fraction when *ptc1* is present, indicating that *ptc1* mediates the **localization** of phosphorylated ...

The *ptc1* gene in vertebrates is essential for normal embryonic **development** and also ...

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The nuclear **localization** signal of the matrix protein of human immunodeficiency ...

[pnas.org \(PDF\)](#)

U Von Schwedler, RS Korbluth, ... - *Proceedings of the ...*, 1994 - *National Acad Sciences*

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... artificially arrested in the G1/S or G2 phases of the cell **cycle** ... contains a stretch of highly conserved amino acids, Gly-Lys- Lys-Lys-Tyr-Lys in HIV-1 (9), that closely resembles the nuclear **localization** signal (**NLS**) of simian virus 40 (SV40) large T antigen (10) (Fig. ...

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**Localization** of Pavarotti-KLP in living *Drosophila* embryos suggests roles in ...

[molbiolcell.org \(HTML\)](#)

G Minestrini, AS Harley, DM Glover - *Molecular biology of the cell*, 2003 - *Am Soc Cell Biol*

... of the protein to translocate to the nucleus is not deleterious to cell proliferation or to **development**. ...

in this window] [in a new window], Figure 6. A subset of nuclear **localization** sequences is ... of a

live cellularized embryo showing that Pav-KLP carrying a mutation in **NLS** 5, GFP ...

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Identification of nuclear **localization** signal that governs nuclear import of BRD7 ...

M Zhou, H Liu, X Xu, H Zhou, X Li, C ... - *Journal of cellular ...*, 2006 - *interscience.wiley.com*

... In conclusion, **NLS** is an essential motif affecting BRD7 nuclear distribution, and the nuclear

**localization** of BRD7 is critical for the expression of cell **cycle** related molecules and cell biological

function. *J. Cell. Biochem. ... Molecular Reproduction & Development*. ...

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